

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124215.D
 Acq On : 9 Jun 2021 18:41
 Operator : JU/CG
 Sample : M2599-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339DL

Quant Time: Jun 10 01:54:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

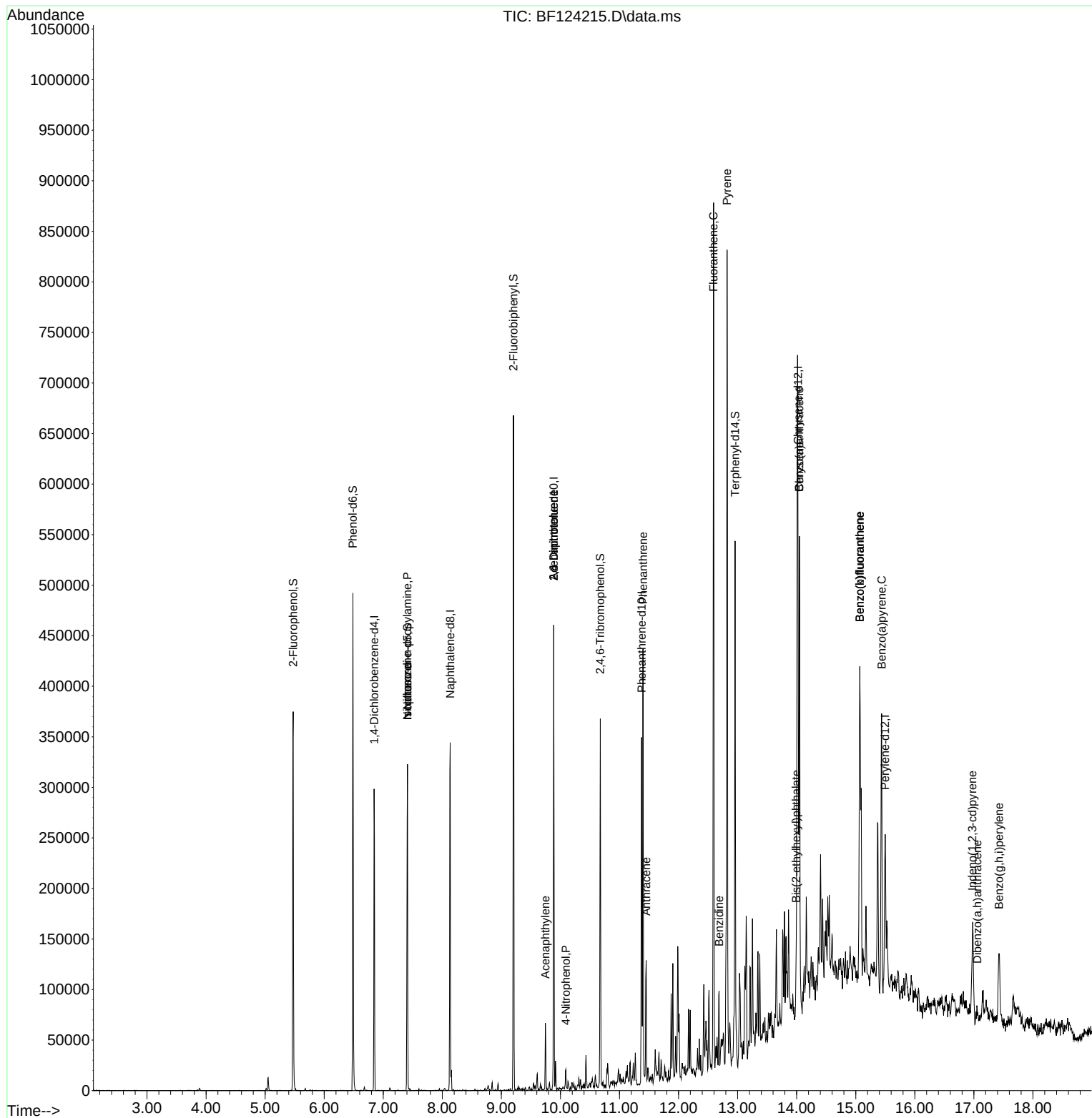
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	36706	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	133270	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	71530	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	106000	20.000	ng	0.00
76) Chrysene-d12	14.021	240	90572	20.000	ng	0.00
86) Perylene-d12	15.498	264	60976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	82723	33.925	ng	0.00
7) Phenol-d6	6.487	99	113987	34.778	ng	-0.01
23) Nitrobenzene-d5	7.410	82	89032	26.496	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	33315	32.874	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	166882	29.358	ng	0.00
79) Terphenyl-d14	12.957	244	130853	19.836	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	12122	5.239	ng	# 63
25) Isophorone	7.410	82	88872	14.677	ng	# 69
49) Acenaphthylene	9.745	152	22918	3.208	ng	96
51) 2,6-Dinitrotoluene	9.886	165	10599	7.811	ng	# 14
56) 4-Nitrophenol	10.092	139	2345	2.584	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	10599	5.923	ng	# 19
71) Phenanthrene	11.398	178	129578	19.569	ng	99
72) Anthracene	11.451	178	38992	5.847	ng	99
75) Fluoranthene	12.592	202	298781	42.987	ng	97
77) Benzidine	12.686	184	119	4.112	ng	# 68
78) Pyrene	12.821	202	325129	37.383	ng	97
81) Benzo(a)anthracene	14.045	228	162719	24.661	ng	94
83) Chrysene	14.045	228	162719	25.561	ng	97
84) Bis(2-ethylhexyl)phtha...	13.992	149	12875	3.068	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	54324	14.073	ng	99
88) Benzo(b)fluoranthene	15.068	252	221024	46.662	ng	97
89) Benzo(k)fluoranthene	15.068	252	221024	49.291	ng	98
90) Benzo(a)pyrene	15.439	252	115002	27.953	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	6269	5.496	ng	94
92) Benzo(g,h,i)perylene	17.427	276	51776	14.960	ng	96

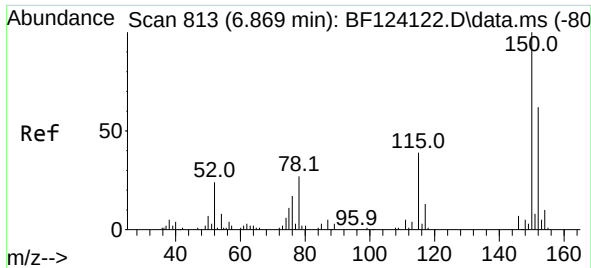
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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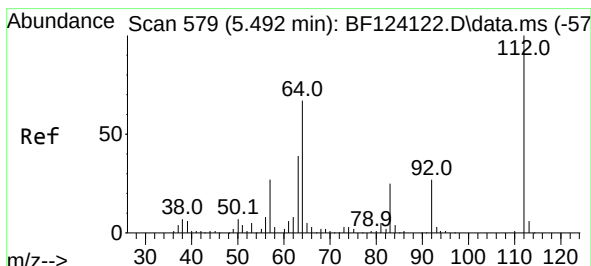
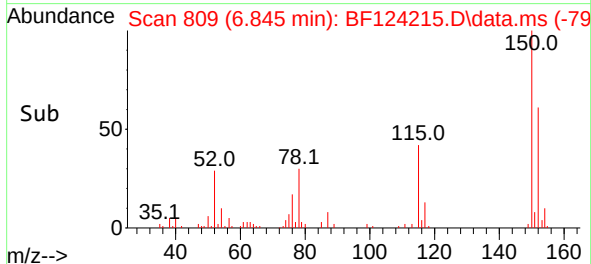
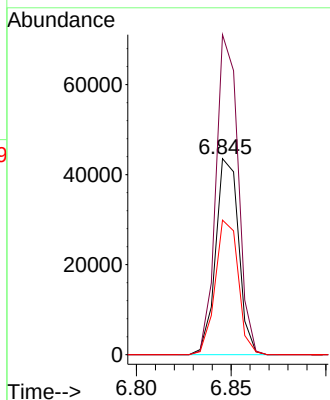
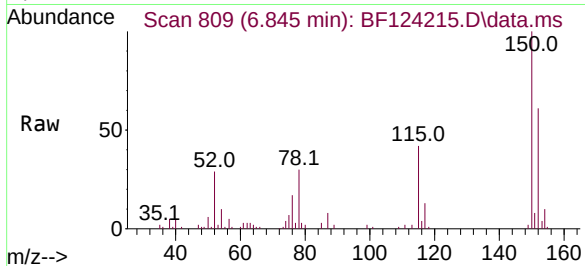




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

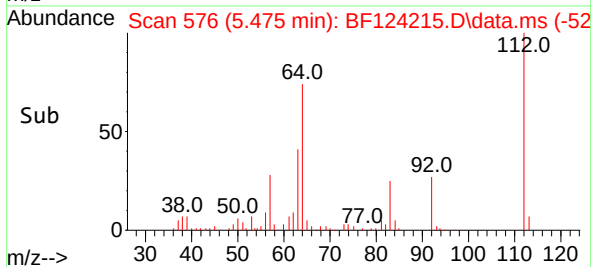
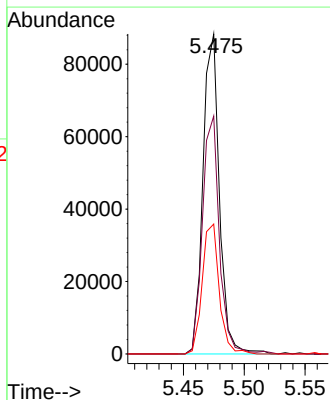
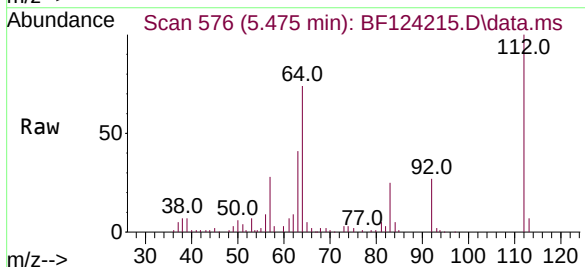
Instrument :
BNA_F
ClientSampleId :
339DL

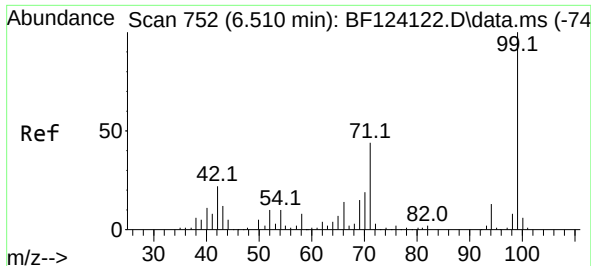
Tgt Ion:152 Resp: 36706
Ion Ratio Lower Upper
152 100
150 163.3 127.0 190.6
115 68.7 54.3 81.5



#5
2-Fluorophenol
Concen: 33.925 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:112 Resp: 82723
Ion Ratio Lower Upper
112 100
64 74.4 61.4 92.0
63 40.6 33.0 49.4

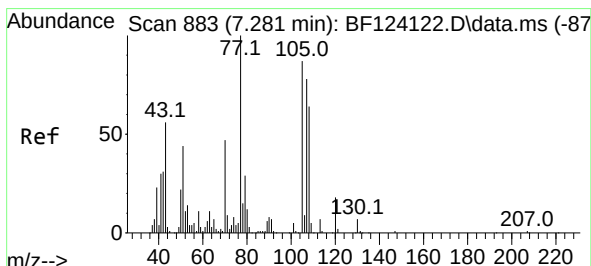
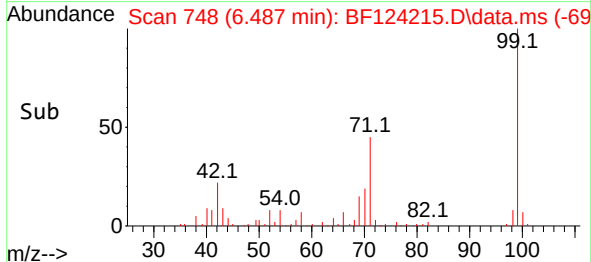
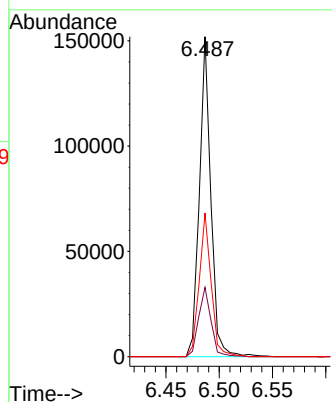
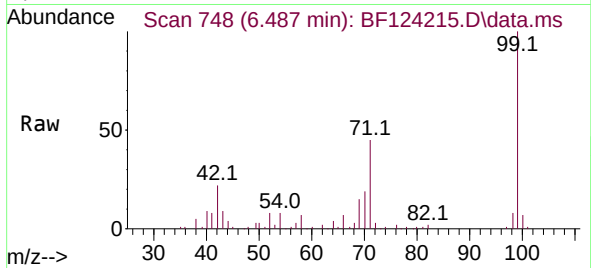




#7
Phenol-d6
Concen: 34.778 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

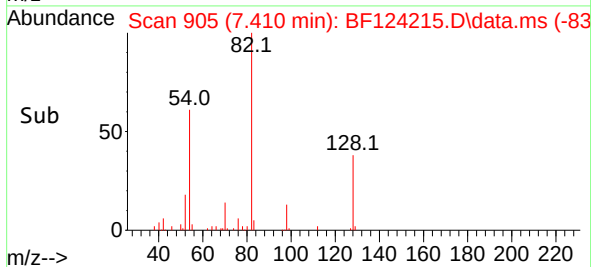
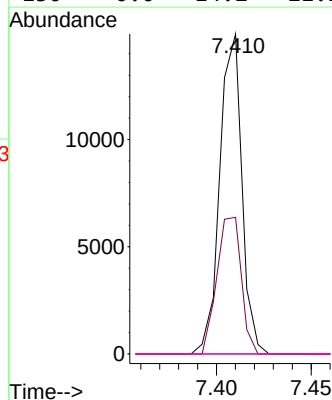
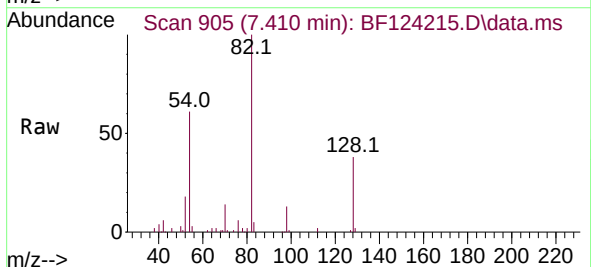
Instrument :
BNA_F
ClientSampleID :
339DL

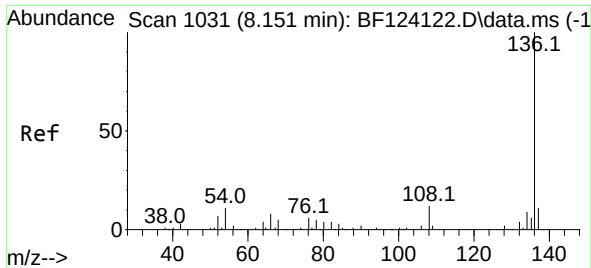
Tgt Ion: 99 Resp: 113987
Ion Ratio Lower Upper
99 100
42 21.6 19.8 29.8
71 44.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.239 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

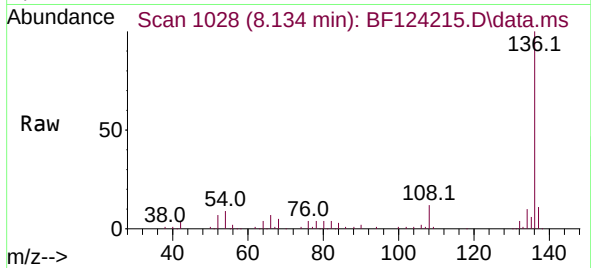
Tgt Ion: 70 Resp: 12122
Ion Ratio Lower Upper
70 100
42 42.7 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



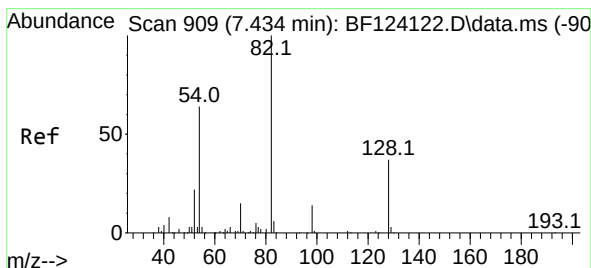
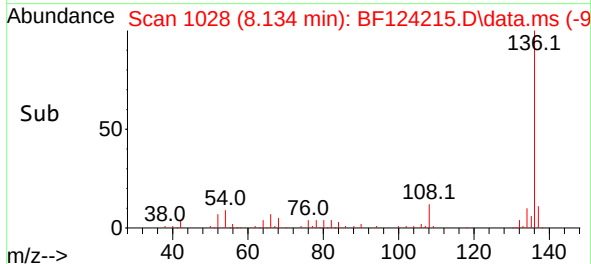
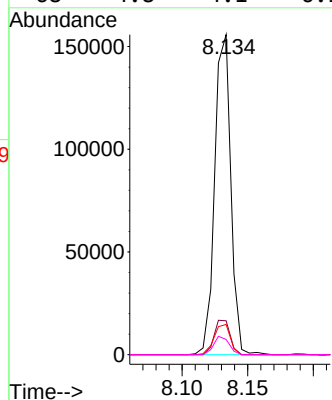


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Instrument :
BNA_F
ClientSampleId :
339DL

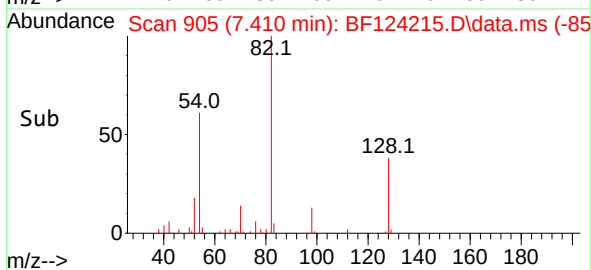
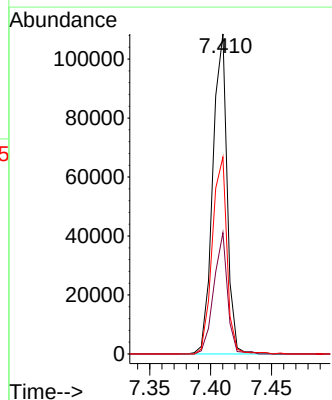
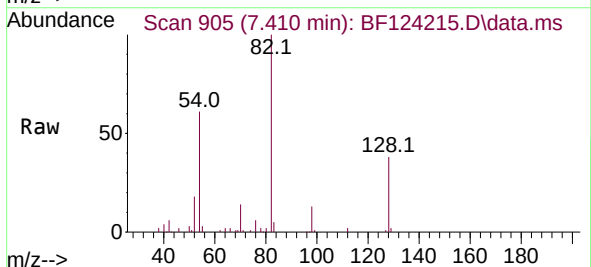


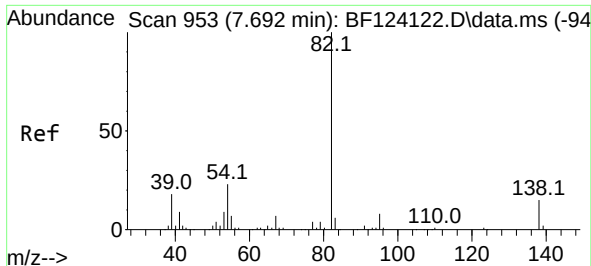
Tgt Ion:136	Resp:	133270
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.7 13.1
54	9.5	9.8 14.6#
68	4.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 26.496 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion: 82	Resp:	89032
Ion	Ratio	Lower Upper
82	100	
128	37.9	29.4 44.2
54	61.5	54.1 81.1

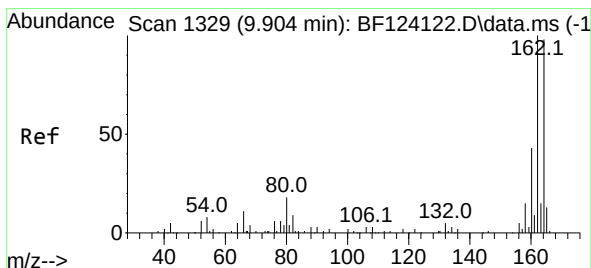
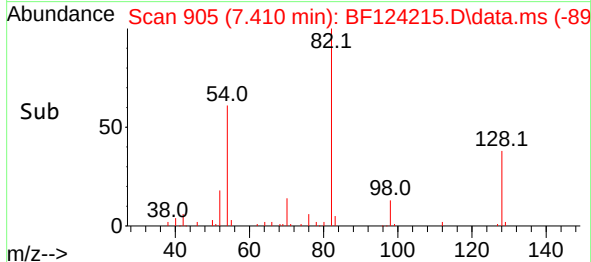
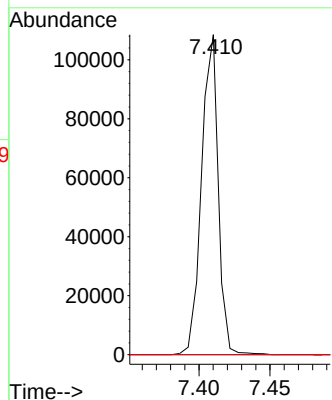
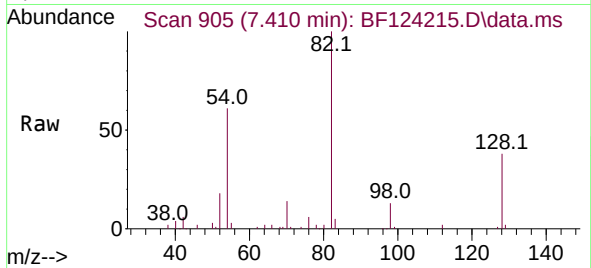




#25
Isophorone
Concen: 14.677 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

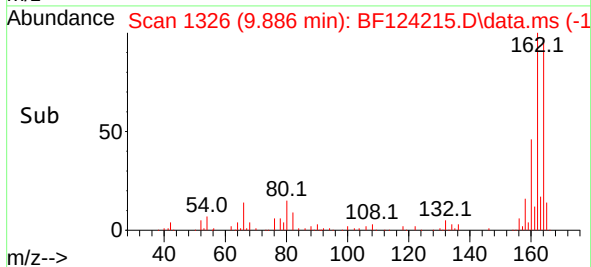
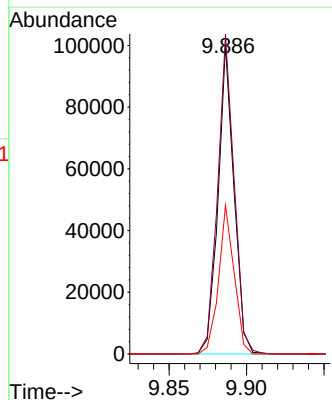
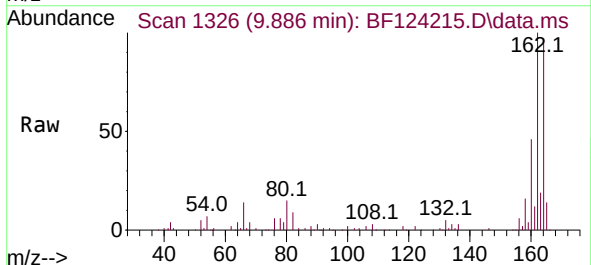
Instrument :
BNA_F
ClientSampleId :
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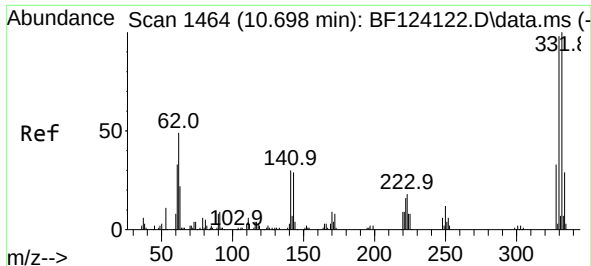
Tgt Ion: 82 Resp: 88872
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion: 164 Resp: 71530
Ion Ratio Lower Upper
164 100
162 103.6 80.7 121.1
160 48.1 37.3 55.9

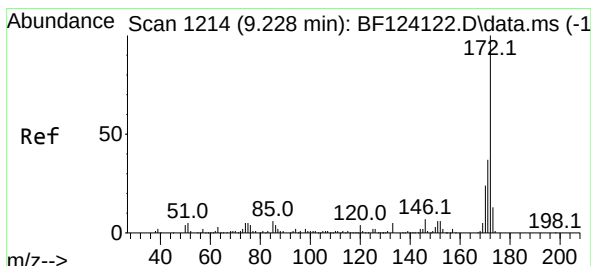
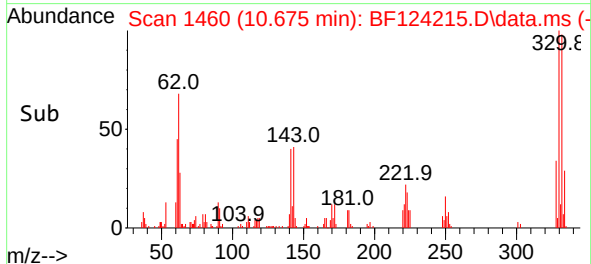
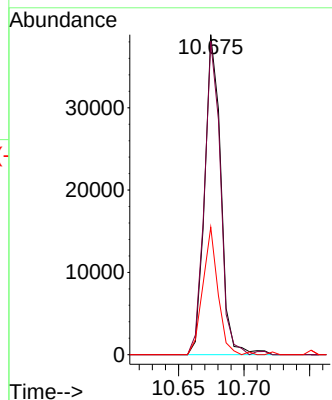
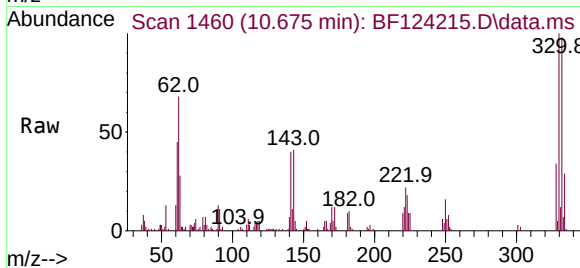




#42
2,4,6-Tribromophenol
Concen: 32.874 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

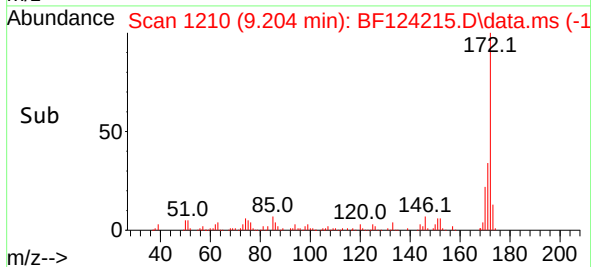
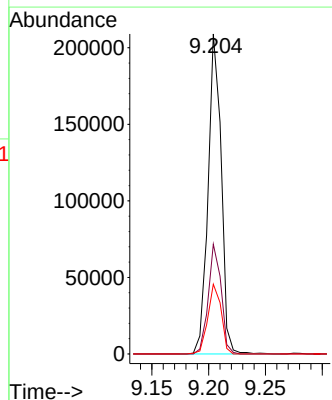
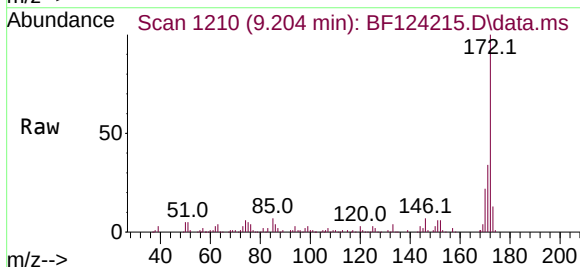
Instrument :
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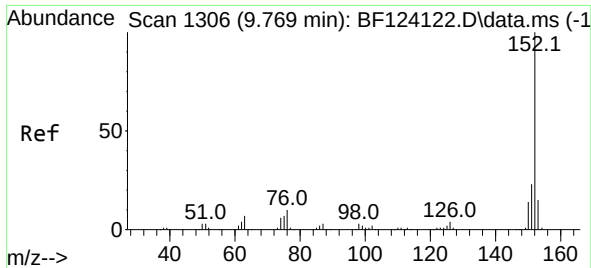
Tgt Ion:330 Resp: 33315
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 37.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 29.358 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:172 Resp: 166882
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 21.8 19.2 28.8





#49

Acenaphthylene

Concen: 3.208 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF124215.D

Acq: 9 Jun 2021 18:41

Tgt Ion:152 Resp: 22918

Ion Ratio Lower Upper

152 100

151 18.6 16.0 24.0

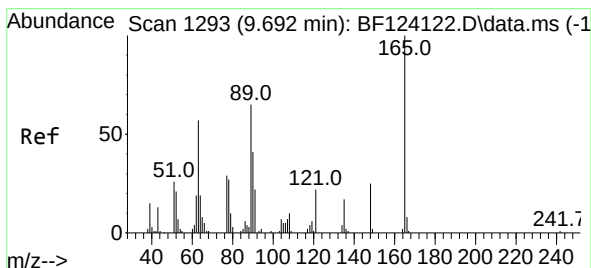
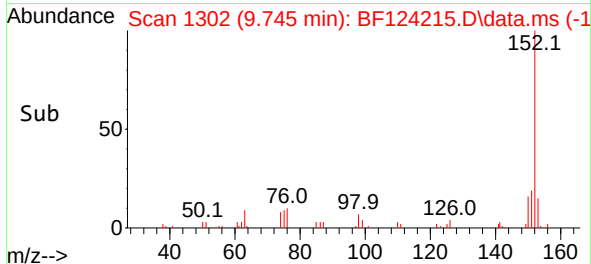
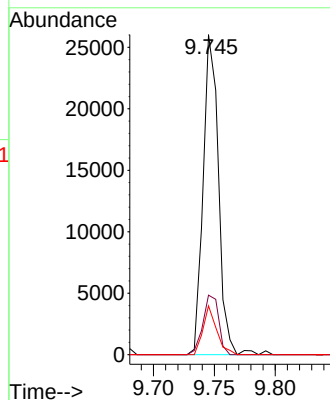
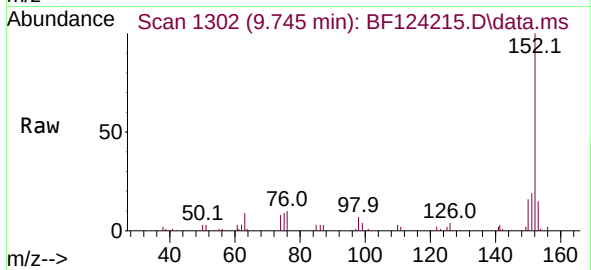
153 15.2 10.4 15.6

Instrument :

BNA_F

ClientSampleId :

339DL



#51

2,6-Dinitrotoluene

Concen: 7.811 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.206 min

Lab File: BF124215.D

Acq: 9 Jun 2021 18:41

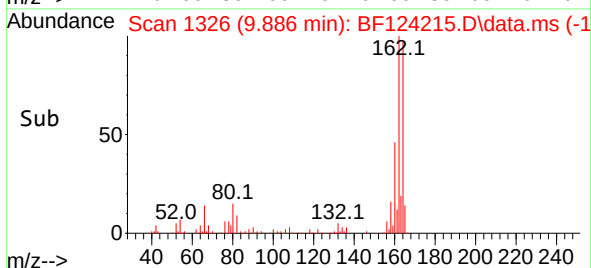
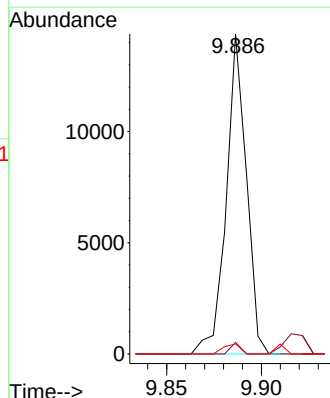
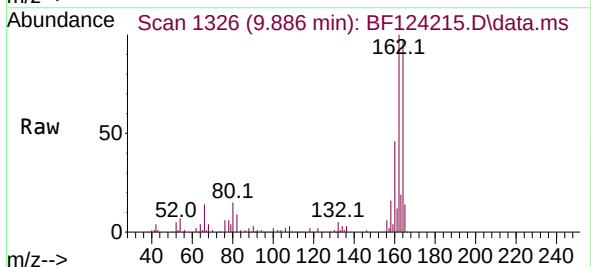
Tgt Ion:165 Resp: 10599

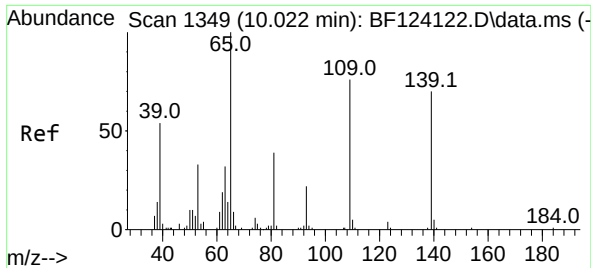
Ion Ratio Lower Upper

165 100

63 3.6 67.7 101.5#

89 3.1 58.8 88.2#

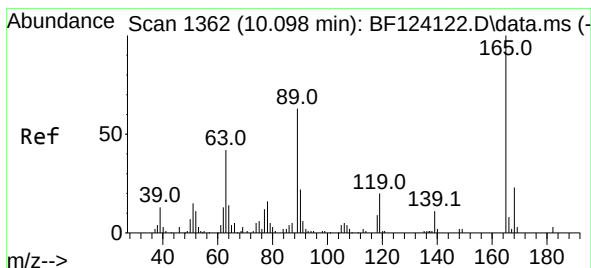
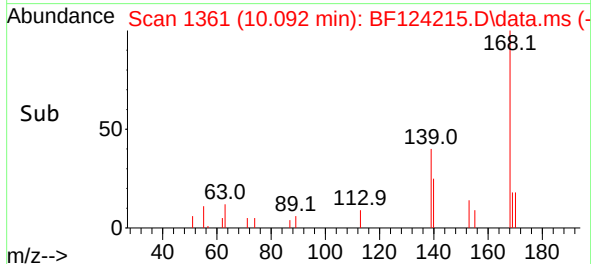
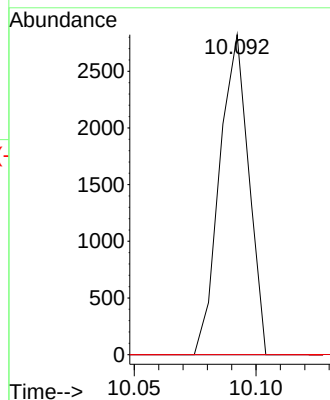
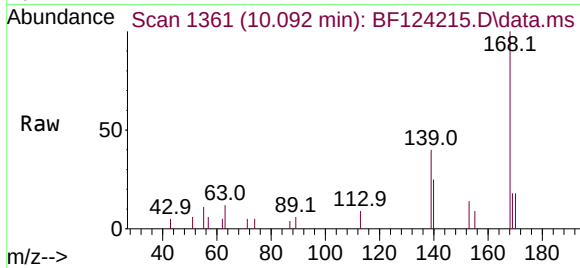




#56
4-Nitrophenol
Concen: 2.584 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.071 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

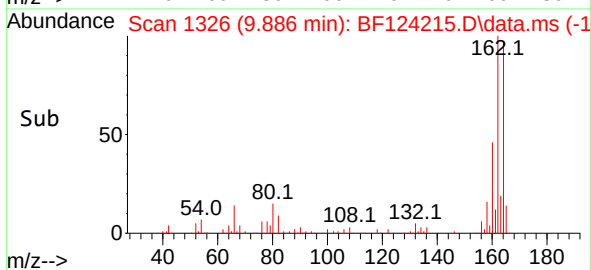
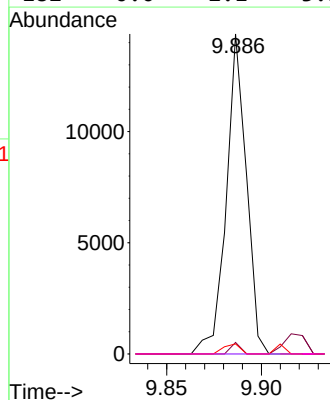
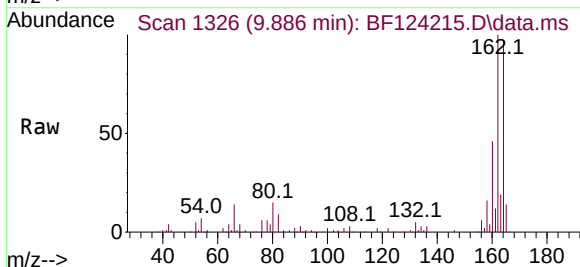
Instrument :
BNA_F
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339DL

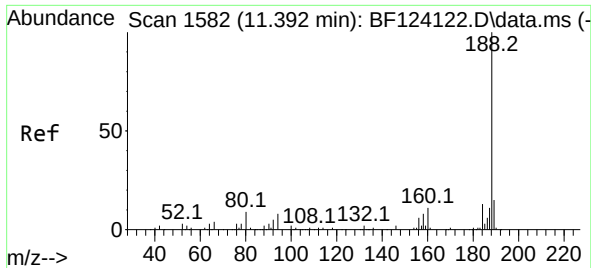
Tgt Ion:139 Resp: 2345
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.923 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:165 Resp: 10599
Ion Ratio Lower Upper
165 100
63 3.6 43.5 65.3#
89 3.1 67.7 101.5#
182 0.0 2.1 3.1#

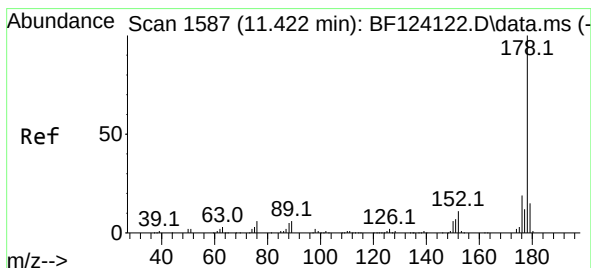
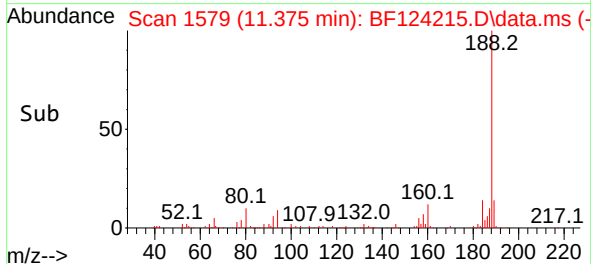
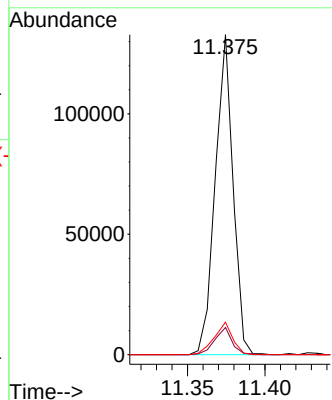
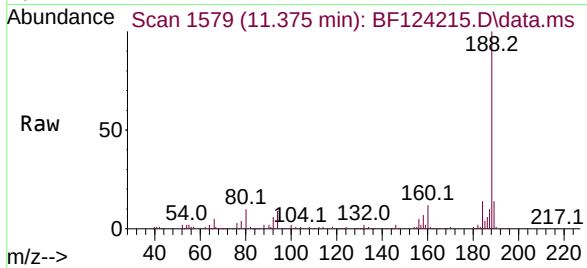




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

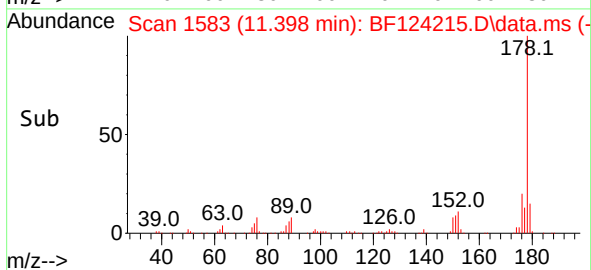
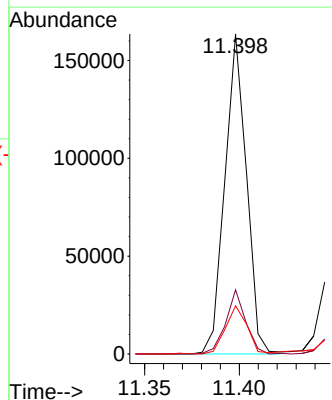
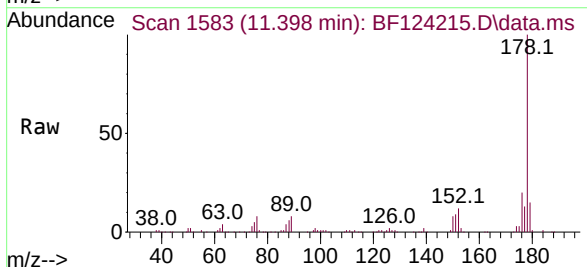
Instrument :
BNA_F
ClientSampleId :
339DL

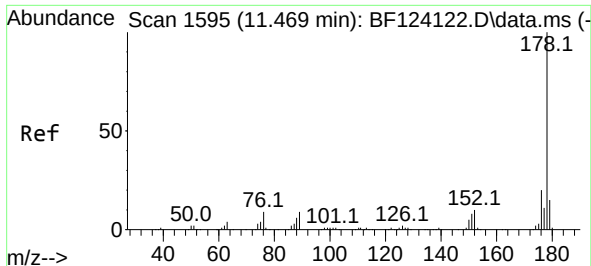
Tgt Ion:188 Resp: 106000
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.1 8.2 12.2



#71
Phenanthrene
Concen: 19.569 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:178 Resp: 129578
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.1 12.5 18.7

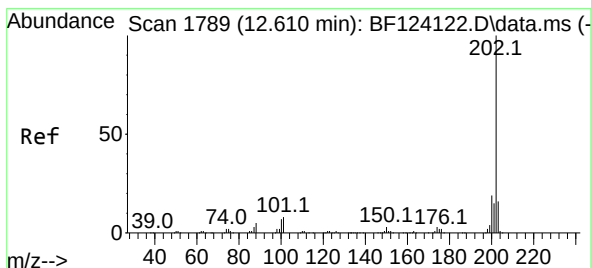
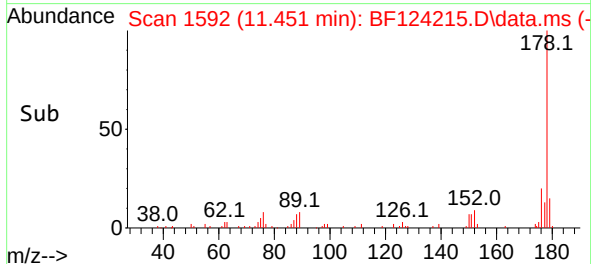
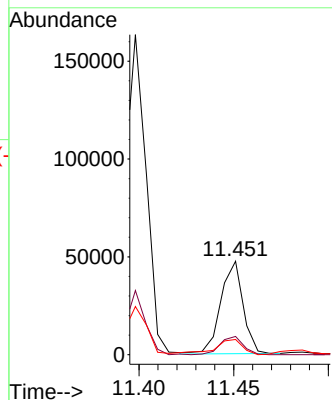
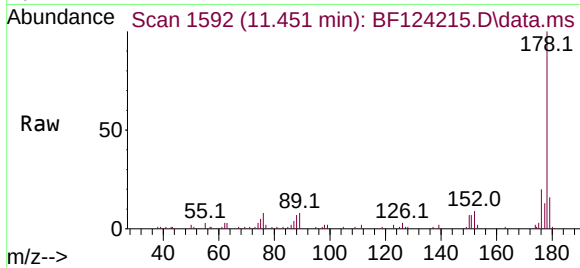




#72
 Anthracene
 Concen: 5.847 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124215.D
 Acq: 9 Jun 2021 18:41

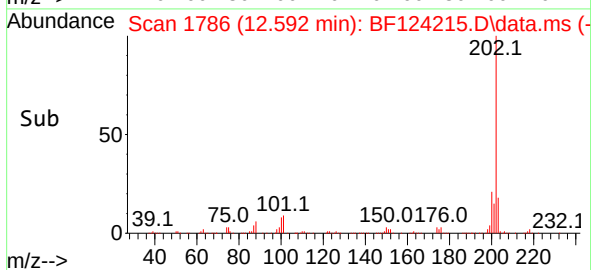
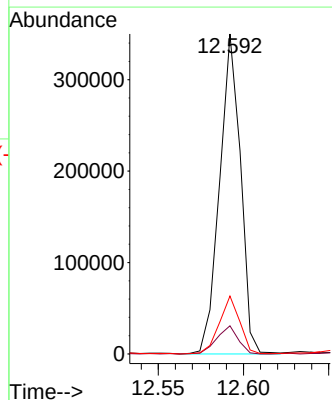
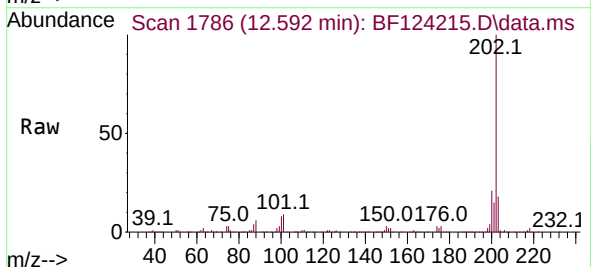
Instrument :
 BNA_F
 ClientSampleId :
 339DL

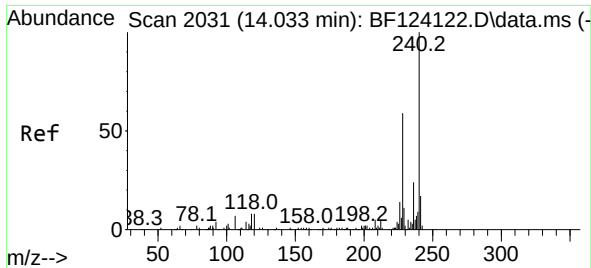
Tgt Ion:178	Resp:	38992
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.4 23.0
179	16.3	12.6 18.8



#75
 Fluoranthene
 Concen: 42.987 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. 0.000 min
 Lab File: BF124215.D
 Acq: 9 Jun 2021 18:41

Tgt Ion:202	Resp:	298781
Ion Ratio	Lower	Upper
202	100	
101	8.8	0.0 30.9
203	18.1	0.0 37.5

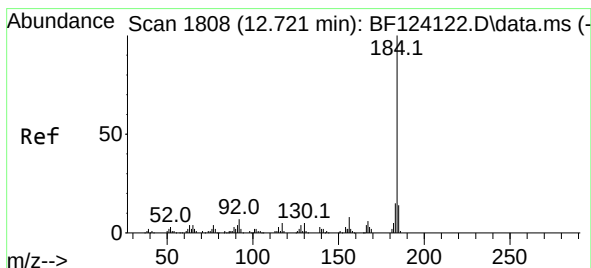
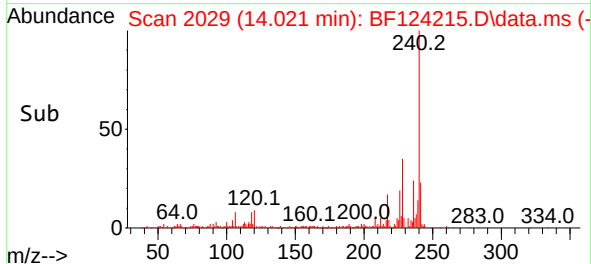
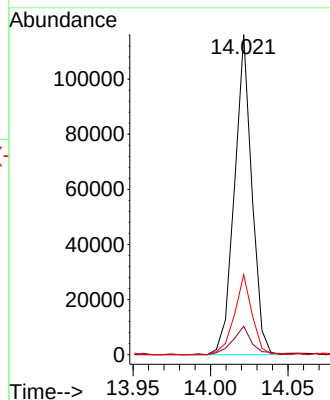
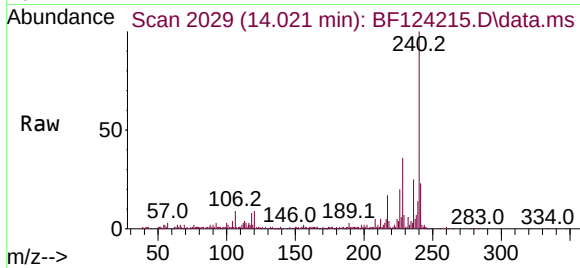




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

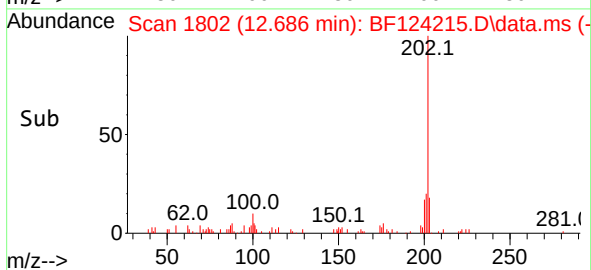
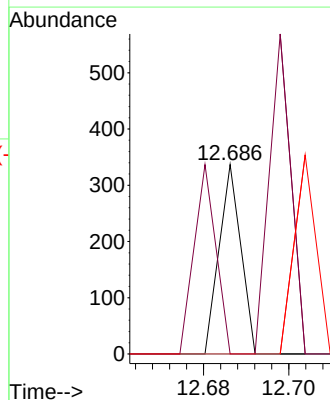
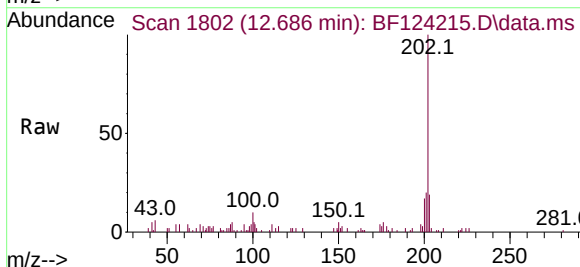
Instrument :
BNA_F
ClientSampleId :
339DL

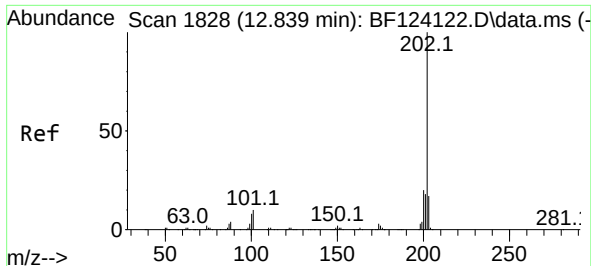
Tgt Ion:240 Resp: 90572
Ion Ratio Lower Upper
240 100
120 8.9 7.2 10.8
236 25.0 19.0 28.4



#77
Benzidine
Concen: 4.112 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.023 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

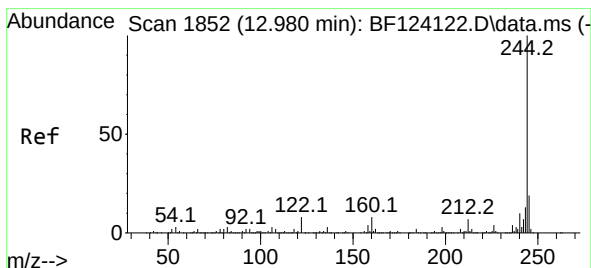
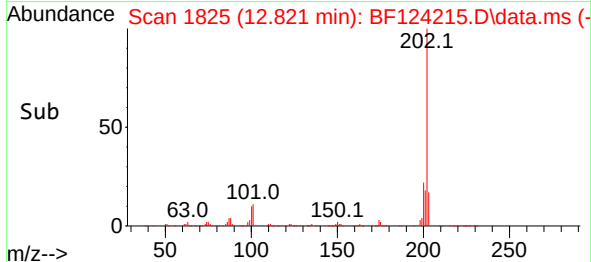
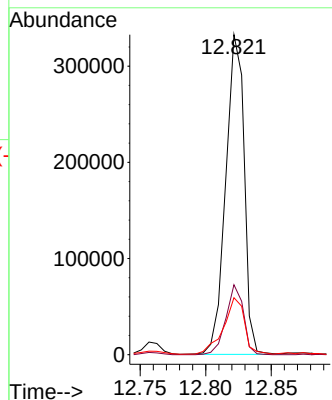
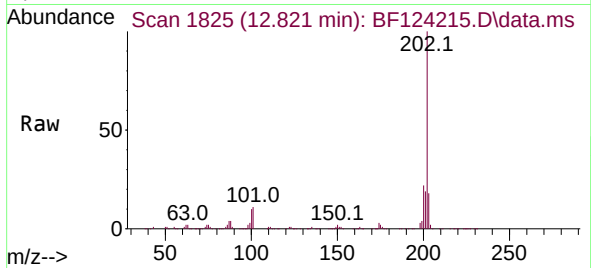




#78
 Pyrene
 Concen: 37.383 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. 0.000 min
 Lab File: BF124215.D
 Acq: 9 Jun 2021 18:41

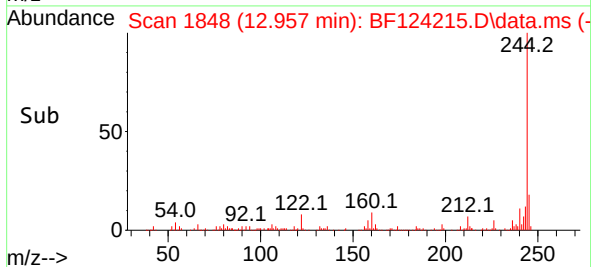
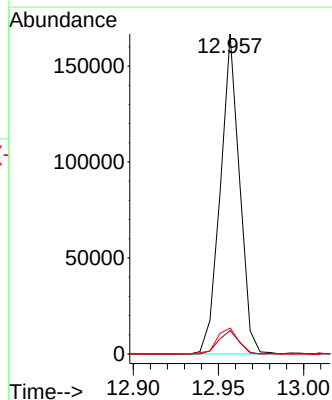
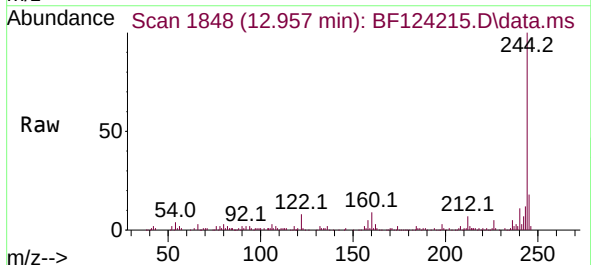
Instrument :
 BNA_F
 ClientSampleId :
 339DL

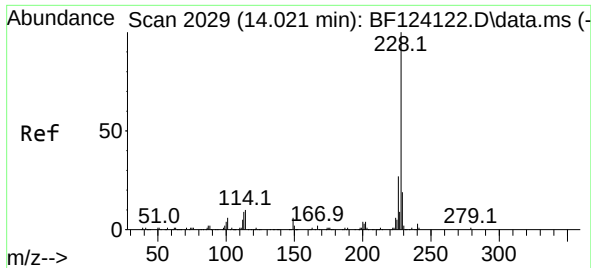
Tgt Ion:202 Resp: 325129
 Ion Ratio Lower Upper
 202 100
 200 21.8 16.1 24.1
 203 17.8 14.8 22.2



#79
 Terphenyl-d14
 Concen: 19.836 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124215.D
 Acq: 9 Jun 2021 18:41

Tgt Ion:244 Resp: 130853
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 8.1 9.7 14.5#

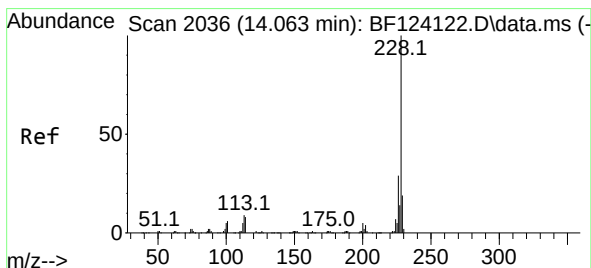
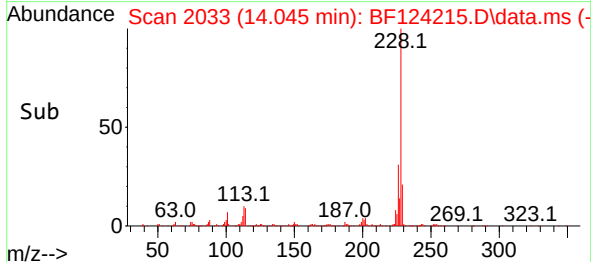
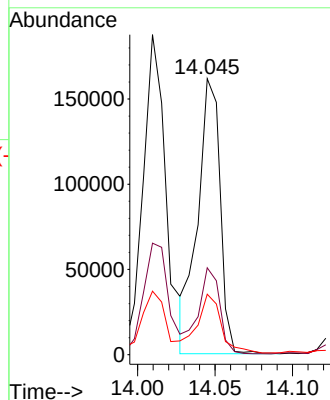
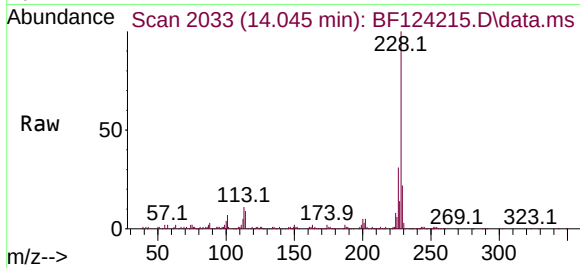




#81
Benzo(a)anthracene
Concen: 24.661 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.035 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

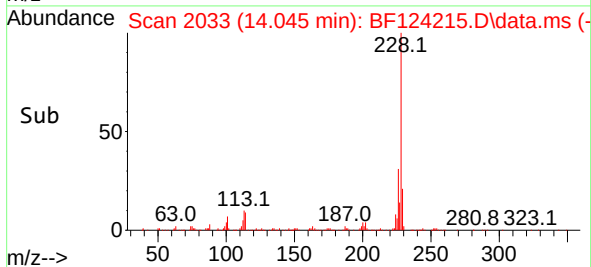
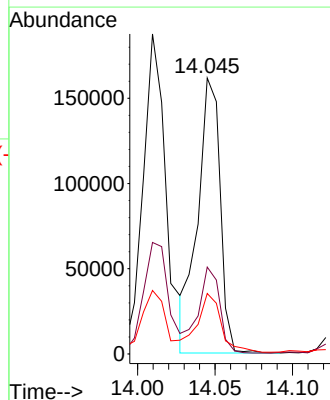
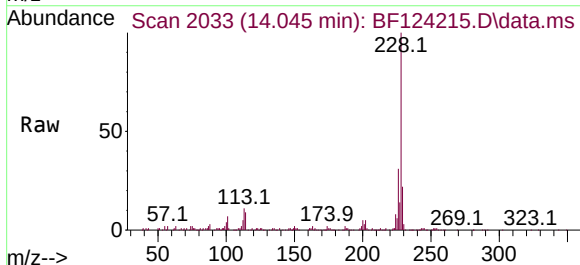
Instrument :
BNA_F
ClientSampleId :
339DL

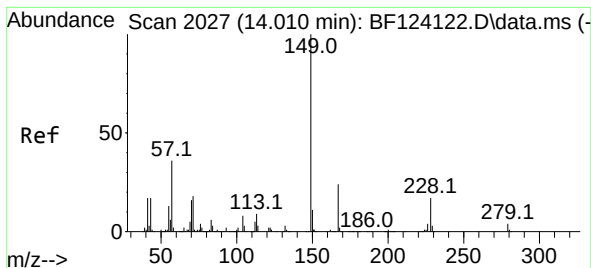
Tgt Ion:228 Resp: 162719
Ion Ratio Lower Upper
228 100
226 31.5 22.4 33.6
229 21.9 16.0 24.0



#83
Chrysene
Concen: 25.561 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:228 Resp: 162719
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 21.9 16.2 24.2

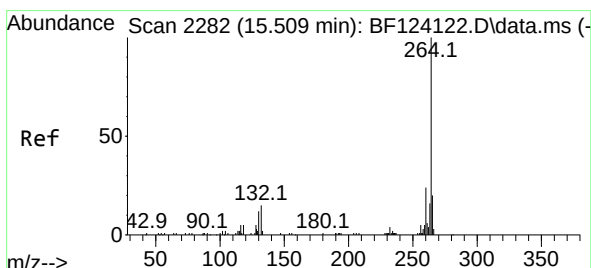
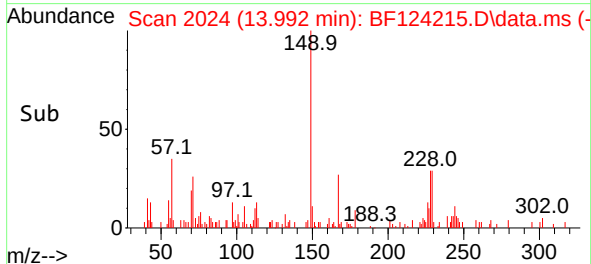
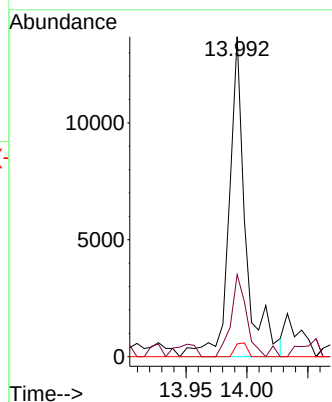
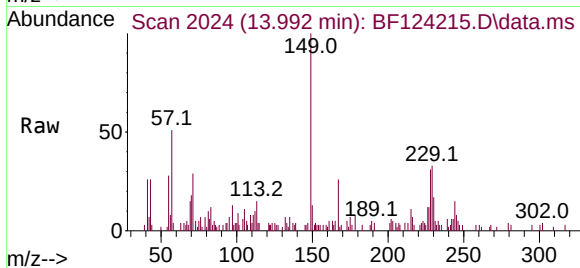




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.068 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

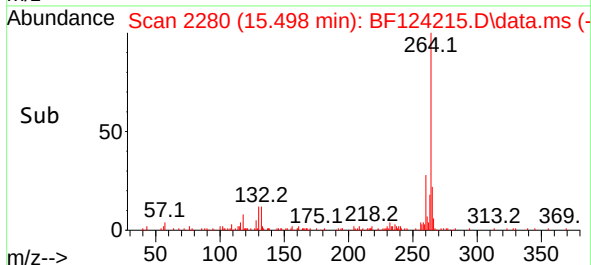
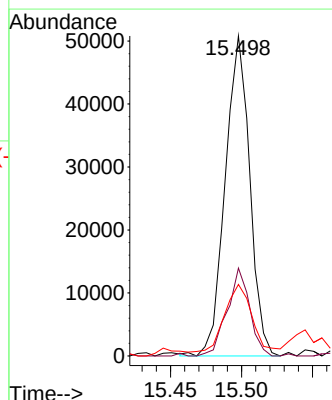
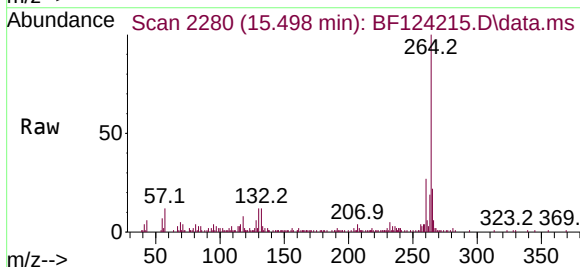
Instrument :
BNA_F
ClientSampleId :
339DL

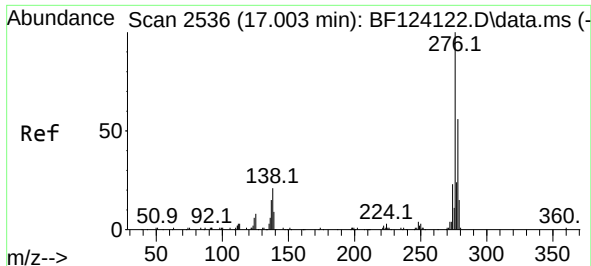
Tgt Ion:149 Resp: 12875
Ion Ratio Lower Upper
149 100
167 25.6 21.8 32.6
279 4.0 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:264 Resp: 60976
Ion Ratio Lower Upper
264 100
260 27.4 18.7 28.1
265 22.3 17.8 26.8

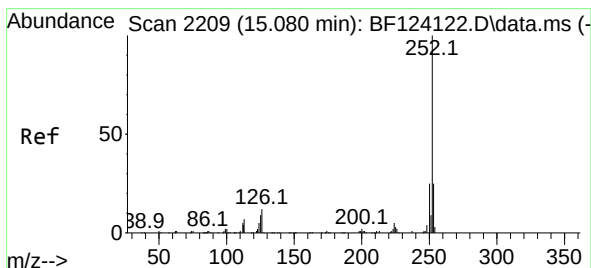
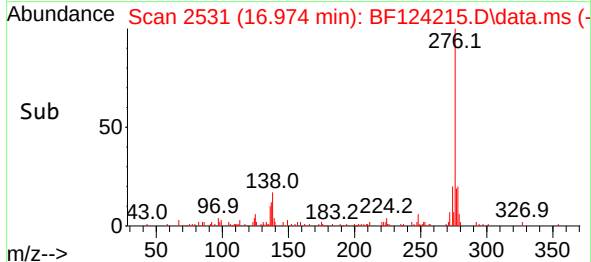
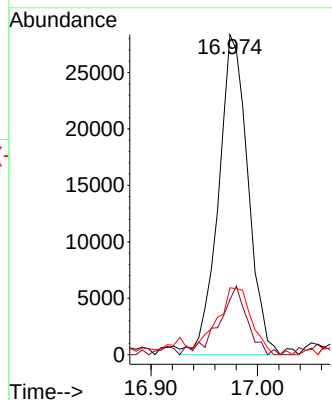
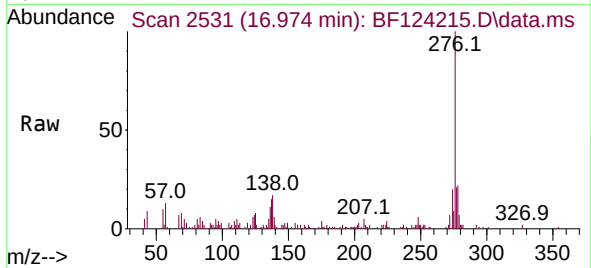




#87
Indeno(1,2,3-cd)pyrene
Concen: 14.073 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

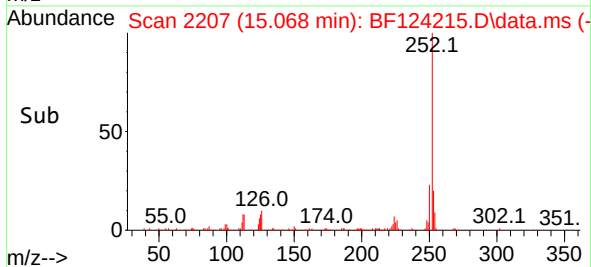
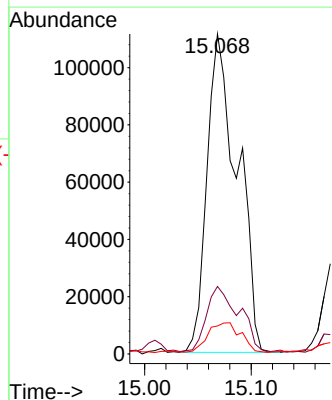
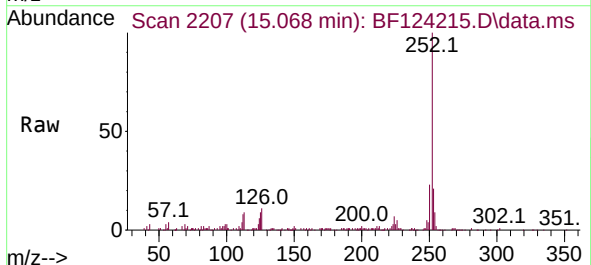
Instrument :
BNA_F
ClientSampleId :
339DL

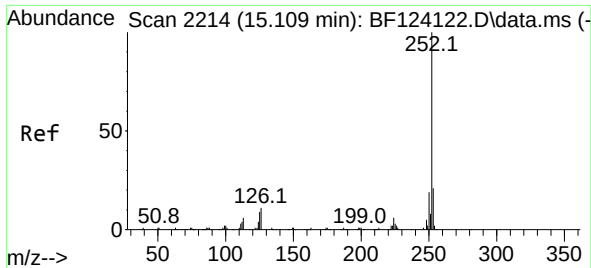
Tgt Ion:276 Resp: 54324
Ion Ratio Lower Upper
276 100
138 20.7 16.2 24.2
277 24.5 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 46.662 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:252 Resp: 221024
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 8.7 6.2 9.4

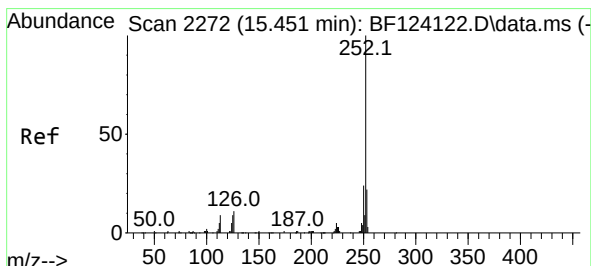
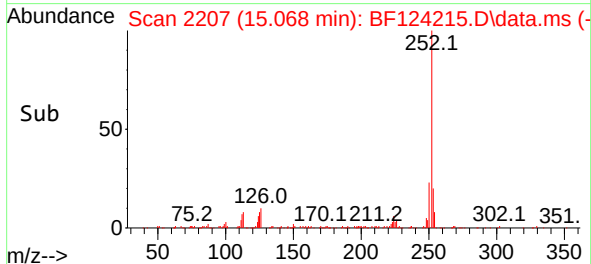
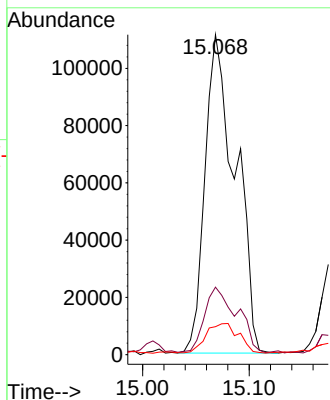
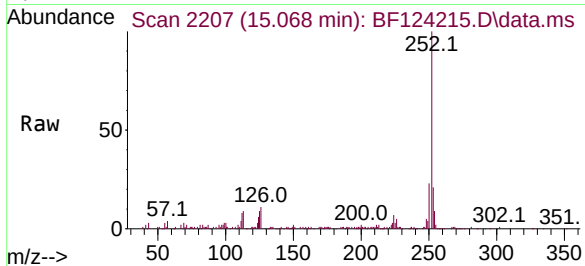




#89
Benzo(k)fluoranthene
Concen: 49.291 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.023 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

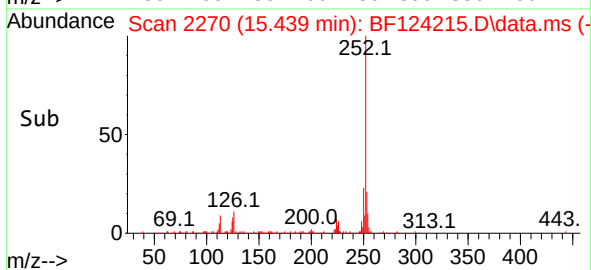
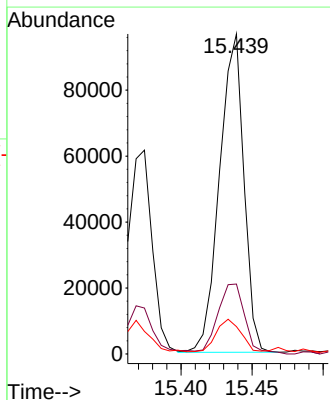
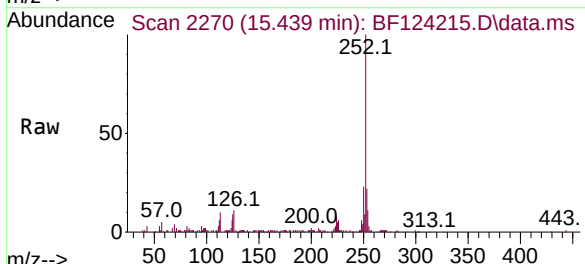
Instrument :
BNA_F
ClientSampleId :
339DL

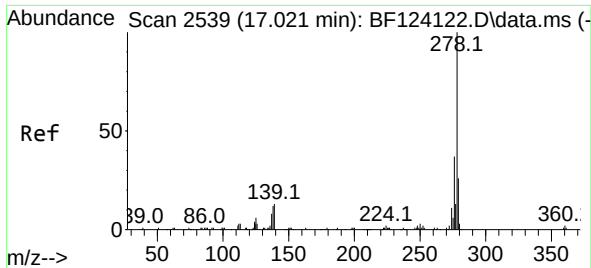
Tgt Ion:252 Resp: 221024
Ion Ratio Lower Upper
252 100
253 21.1 17.9 26.9
125 8.7 7.0 10.6



#90
Benzo(a)pyrene
Concen: 27.953 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:252 Resp: 115002
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 8.6 8.0 12.0

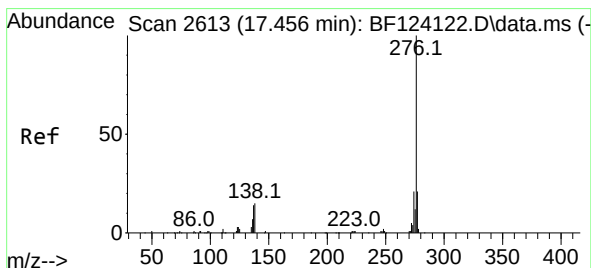
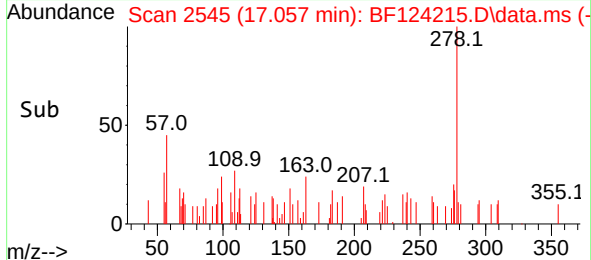
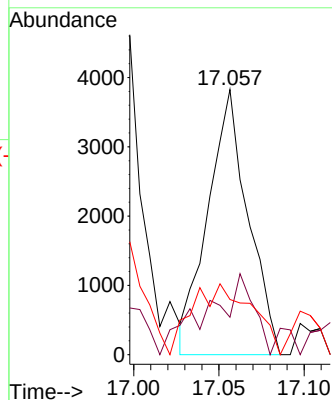
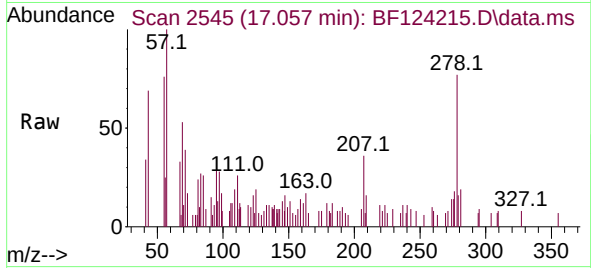




#91
Dibenzo(a,h)anthracene
Concen: 5.496 ng
RT: 17.057 min Scan# 2545
Delta R.T. 0.065 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Instrument :
BNA_F
ClientSampleId :
339DL

Tgt Ion:278 Resp: 6269
Ion Ratio Lower Upper
278 100
139 14.1 10.2 15.2
279 20.8 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 14.960 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF124215.D
Acq: 9 Jun 2021 18:41

Tgt Ion:276 Resp: 51776
Ion Ratio Lower Upper
276 100
277 23.9 18.2 27.2
138 19.8 13.8 20.6

